

GUANGYANG SECONDARY SCHOOL

Semester 1 Plan for Secondary 5N(A) Science (Physics) (5076) 2023

Curriculum

Textbook: Discover Physics GCE 'O' Level Science Textbook (4th Ed)

Workbook: Discover Physics 5N(A) Workbook (2nd Ed)

Term 1 Week	Chapter / Topic	Page no.	Assignments/Tests
1	10: Light – Reflection	169 – 179	<ul style="list-style-type: none"> WB Ex 1A Practical Skills Build-Up
2			
3	10: Light – Refraction and Total Internal Reflection	180 – 192	<ul style="list-style-type: none"> WB Ex 1A Expt: Refraction of Light
4			
5	10: Light – Lenses	193 – 210	<ul style="list-style-type: none"> WB Ex 1B Expt: Focal Length of a Converging Lens
6			
7	Dynamics – Vector Drawing	47 – 50	<ul style="list-style-type: none"> Supplementary WS on Vector Drawing CA 1 (Week 6): Current Electricity, D.C. Circuits, Light
8			
9	2: Static Electricity	259 – 267	<ul style="list-style-type: none"> WB Ex 2 Expt: Voltage of Resistance Wire
10			
Term 2 Week	Chapter / Topic	Page no.	Assignments/Tests
1	18: Magnetism	WB Ex 18A to 18C	18: Magnetism
2			
3-6	19: Electromagnetism	WB Ex 19F to 19I	19: Electromagnetism
7-10	Revision for Prelim	-	TYS Past Year Papers

Assessment Plan

Semester 1 Science (Physics)	<ul style="list-style-type: none">• Continual Assessment 1 Consisting of<ul style="list-style-type: none">○ Topical class tests• Mid-Year Exam – 30 %
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Exam papers for Semestral Assessment 1

Science (Physics, Chemistry), 170 marks

- Science (Physics), 85 marks and
- Science (Chemistry), 85 marks

Preliminary Exams Sc(Physics) 5076 Components	Dates	Guidelines
<p><u>Paper 1</u> (40 marks)</p> <ul style="list-style-type: none">• 20 Multiple Choice Questions (Physics component)• 20 Multiple Choice Questions (Chemistry component) <p><u>Paper 2 – Physics</u> (65 marks)</p> <p><u>Section A</u> (45 marks)</p> <ul style="list-style-type: none">• Structured Questions <p><u>Section B</u> (20 marks)</p> <ul style="list-style-type: none">• 2 Free Response Questions (10 marks each) <p><u>Paper 3 – Chemistry</u> (65 marks)</p> <p><u>Section A</u> (45 marks)</p> <ul style="list-style-type: none">• Structured Questions <p><u>Section B</u> (20 marks)</p> <ul style="list-style-type: none">• 2 Free Response Questions (10 marks each)	Term 2 Week 7-8	<ul style="list-style-type: none">• All topics (except magnetism and electromagnetism) in Sci Physics 5076 syllabus.• Please ensure that you have a calculator and a protractor for the exam.• Answers to calculations expressed in 3 s.f.• Paper 1: Answer on OTAS• Paper 2: Answer all questions in spaces provided in the question paper.